

ABSTRACT

A device uses a single inductor or a series of inductors to initially store energy. A series of opening switches are placed in the circuit with approximately equal inductance between each of the switches. Conducting leads are attached on either side of each opening switch and attached to the load at the other end. Each lead may have a blocking device such as a spark gap or diode to keep current from flowing in the load circuit when the leads are connected to the load. When the switches are all opened approximately simultaneously, the current in the storage inductor is transferred to the load with a voltage characteristic of the load and/or the opening time of the switches.

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